

JUNIOR BLUES (9-10) #keeplearning Board



Even though we are not physically together, learning happens every day. This #keeplearning Board is designed to keep families and schools engaged with learning while we are temporarily apart.

Our teachers have worked together to identify learning opportunities that allow students to explore areas of interest and previously covered learning. **We encourage students and families to work together to engage with some or all of the activities each day as schedules and home responsibilities allow. We recognize not everyone has access to technology, so do not worry if you get to a stopping place. Simply compose questions to ask your teachers later.** We would also encourage students to reach out to their peers, through virtual means, to engage with these topics as able and appropriate. Our primary goal is to #keeplearning even in trying times--just as adults do throughout their lives.

If you have questions or need assistance with any tasks, **please reach out to the specific subject's teacher via email.**

	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
English Language Arts	<p>1. This is a historic time. Years from now, your children and grandchildren may ask what this time was like to live through. Write about this. Try to fill a page with your thoughts about what you think about it, how you feel about it, what is going on near and far from you. Capture and discuss how this virus has disrupted your school year and daily life—including sporting events, concerts, assemblies, dances. Share the effect it has had on your friends and family. Make this a daily routine.</p> <p>2. Read a book -- ANY BOOK! If you don't have a book, read a magazine article. Spend at least 30 minutes every day reading.</p>	<p>1. Look at Monday activities. Keep those things going! They are important!</p> <p>2. No doubt you have been filling some of your time with movies, television shows, podcasts, video games -- those sorts of things. Write a review of something with which you have been filling your time. Assume that you will share this on social media or in some sort of publication.</p>	<p>1. Keep on writing that journal and reading something!</p> <p>2. Make a top 10 list of the best books you've ever read. Put it in order from best to 10th best. If you want to, prepare a defense of why you chose your #1 book.</p>	<p>1. You KNOW you need to keep working on that journal and keep reading!</p> <p>2. Is there a particular song that has lyrics that seem particularly relevant to you? Write down those lyrics or sing that song!</p> <p>3. Do some grammar! (Yes, grammar!!)</p> <p>Find the subject and verb in the following sentence: John and Mary danced in celebration!</p>	<p>1. Do I even need to say it? Write in your journal and READ!</p> <p>2. Go outside and breathe some fresh air if you can (following health guidelines). Reflect on the good things about school and life.</p>

Math

Solve the system of equations using each of the 3 methods: graphing, substitution and elimination.

$y = 2x + 5$ and $3x + y = 40$
Justify which method is the most efficient for solving this particular system.

___ is the most efficient method because ___.

Peruse and consider [Math for Grown-Ups](https://mathforgrownups.com/category/math-for-grownups/math-at-work-monday/) (<https://mathforgrownups.com/category/math-for-grownups/math-at-work-monday/>), as it includes many discussions on math usefulness, including the Math at Work Monday series in which the author interviews people in a variety of professions about how they use math. Think about how you might use math in the career that you are considering.

Which one doesn't belong (<https://wodb.ca/>)? Choose which one of four options "doesn't belong". Explain why.

A farmer has a rectangular garden that is 100 feet by 200 feet.

- How much fencing would the farmer need to go around the garden?
- If the farmer were to put a diagonal line connecting two corners of the garden, how long would the line be?
- If each side length were decreased by 50%, how does the area and perimeter of the garden change?

The farmer needs _____ because _____.

The line would be _____.

Yes/No the area and perimeter of the garden will change if each side length were decreased by 50%.

Would you rather? <http://www.wouldyourathermath.com/>
(Make sure you choose the correct grade band from their homepage.)

Choose the "better" of two options, and defend your choice mathematically.

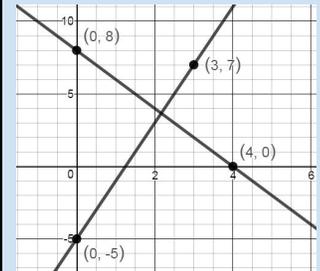
Jason is trying to decide whether or not to buy a season pass to his college basketball team's 20 home games this season. The cost of an individual ticket is \$14 and the cost of a season pass is \$175. The season pass will get Jason in to any home game at no additional cost. What is the minimum number of home games Jason must attend this season in order for the cost of a season pass to be less than the cost of buying an individual ticket for each game?

The minimum number of home games Jason must attend this season are _____.

Draw a picture using at least 8 different shapes. Count the total number of sides of the shapes in your picture.

Select one of the geometric topics which applies to what you have learned from the current topics you have learned. Follow through and complete the problem/problems.

<https://www.openmiddle.com/> provides tasks with fixed launches and fixed end points, but open middles allowing you to forge your own path to successful resolution.



1) Write a system of equations for the graph.

2) What point satisfies both equations?

3) Write a system of inequalities that would include the following points: (4,0) and (2,-1)

4) Write a system of inequalities that would include the following point: (3,4)

Select one of the grade level topics which applies to a topic which you have learned from the current class you are in at the website below:

<http://www.shodor.org/interactivate/activities/>

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Social Studies	<p>Think about two of the most interesting people you have studied this year. Look at their childhood and list three key facts about each.</p> <p>List all the parts of our government involved in dealing with the current crisis. Is one of these parts the most significant?</p> <p>Think back through everything you have learned this year in world History. What was the most intriguing thing you learned? Open a google doc and share it with a friend from your class and compare, or share with a member of your family.</p>	<p>Brainstorm a T-Shirt Design for one of your two historical figures. Try to represent the key facts and events from their lives.</p> <p>Make a list of the 10 most significant events you recall from World History, then rank them from most significant to least. Open a google doc and share it with a friend from your class and compare, or share with a member of your family.</p>	<p>You are hosting a dinner party and you are in charge of the guest list. You must fill all the categories for your guests.</p> <p style="text-align: center;"><i>Autocratic Leader Philanthropist Doctor Musician Actor Sports Figure Heroic Figure male and female 3 Wild Card Guests of your choice.</i></p> <p>Open a google doc and share it with a friend from your class and compare, or share with a member of your family.</p> <p>Pick an Asian country and find five factors that influence the development of their culture. Include historical figures if you like.</p>	<p>Watch or listen to a news broadcast. Afterwards think about how the story(ies) would be received by a person in poverty, a person facing a huge personal challenge, and how you received it. What would the similarities be? What would be the differences? Open a google doc and share it with a friend from your class and compare, or share with a member of your family.</p> <p>Reflect on your experiences during this school year. What have you learned that will be the most useful? What have you enjoyed the most? What are you looking forward to?</p>	<p>Find and watch a program that has a historical setting in the past. What about the film or television program is realistic? What about the film or television program is unrealistic? How could it be better?</p> <p>Brainstorm the qualities that make a good leader. Create a list of 5 characteristics that you believe a good leader Open a google doc and share it with a friend from your class and compare, or share with a member of your family.</p>
Science	<p>Asking Questions: The coronavirus has led to an international pandemic. Generate a list of questions that you could research in order to gain a deeper understanding of the scientific nature of this disease.</p>	<p>Developing and Using Models: Using any source of data, compile the coronavirus transmission data for 3 countries and create a graph from this data. Provide a claim that can be supported by this evidence.</p>	<p>Analyzing/ Interpreting Data: Now that you have compiled and graphed a set of transmission data, please compare the data from different countries and distinguish between <i>causal</i> and <i>correlational</i> relationships in the data.</p> <p><i>(Example - How has the data been influenced by the way the country has handled the pandemic internally?)</i></p>	<p>Using Mathematics and Computational Thinking: Based on your graphed data, make quantitative predictions (based on the current transmission rate) for the three countries for:</p> <p>-1 week -1 month -3 months</p> <p>(into the future)</p>	<p>Obtaining, Evaluating, and Communicating Information: Compare and evaluate three sources of information as it pertains to the Coronavirus pandemic.</p> <p>Assess the validity and reliability of information presented in the sources.</p>

<p>Skills for Success</p>	<p>What is your plan for dealing with stress? Have you thought it through? Review this article (https://www.aap.org/en-us/professional-resources/Reaching-Teens/Documents/Private/Personal_plan_handout.pdf) for some helpful ideas.</p> <p>Headspace.com (free for 2 weeks)</p> <p>Who is someone you think might be lonely in this time of social distancing (a grandparent, neighbor, classmate who tends to isolate at school, etc.)? Make a point to reach out to that person, either by phone, text, or letter, just to see how that person is doing.</p>	<p>Do you prioritize getting enough quality sleep? Studies show that teens need 9 - 9.5 hours of sleep to be truly rested. Tips on how to get the ZZZs you need can be found here: https://www.sleepfoundation.org/sites/default/files/in-line-files/teenstips.pdf</p> <p>Practice calming breathing:</p> <p>Take a long, slow breath in through your nose, first filling your lower lungs, then your upper lungs. Hold your breath to the count of three. Exhale slowly through pursed lips, while you relax the muscles in your face, jaw, shoulders, and stomach.</p>	<p>WRHS has a robust Career & Technical Education (CTE) program, but do you know what all it offers? Check it out at http://teacher.usd437.net/wrhs/cte/pathways.html.</p> <p>Try your hand at coding at https://code.org/.</p> <p>Take some time to interview the adults you have contact with- use social distancing - and ask them about their careers. What is satisfying? What is challenging?</p>	<p>Are you wanting to travel? Take a virtual tour of some of the world's finest museums.</p> <p>If you were to make a virtual tour of any place in the world, what would it be? What would you include in the tour? Who would you interview for the tour? Share your thoughts with family and friends.</p>	<p>Have you really taken a deep dive into Naviance (https://student.naviance.com/washburnrh)? Use this time to explore all the postsecondary planning tools it offers! Look for the ROADTRIP NATION videos.</p> <p>Check out this activity on budgeting (available here: https://docs.google.com/presentation/d/1sE8A1-CqnrTltOTYAx2PzoUFO9nbGTCNhDi4pPQuq2w/edit?ts=5e72c379#slide=id.p. Must request access.) How might it be helpful in the present AND in the future as we move from High School into postsecondary education and careers?</p>
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Online Library Resources (<https://sites.google.com/usd437.net/awlibraries/resources>)

Access WRMS and WRHS Library resources at <http://library.usd437.net>. Students may login with their network username and initial + number password. Both electronic books and audiobooks are available and can be found by searching for material type for eBooks or Sound Recordings.

The Kansas State Library (<http://kslib.info>) serves the library needs of Kansas citizens and provides access to high-quality online resources. Contact your school library and media specialist for assistance with accessing these resources, as some require a Kansas State Library card.

The Topeka and Shawnee County Public Library (<https://tscpl.org/>) provides library needs to Topeka and Shawnee County residents. Students are automatically enrolled unless opted-out by parents. Username/Barcode: 437+student ID number (ten digit number). Password is your four-digit anticipated graduation year.

Be safe. Be well. #keeplearning

